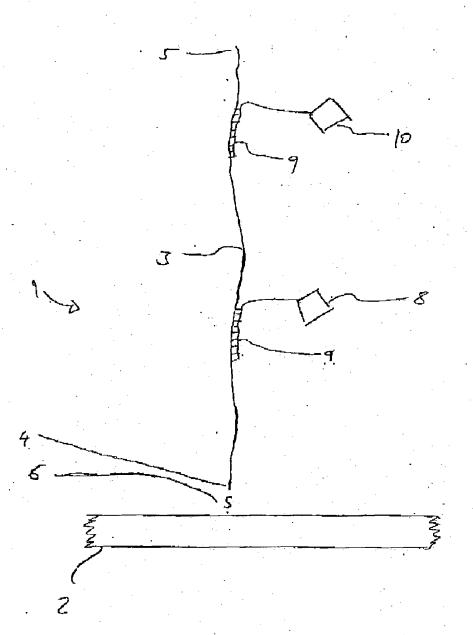


FIG. 1



F16.2

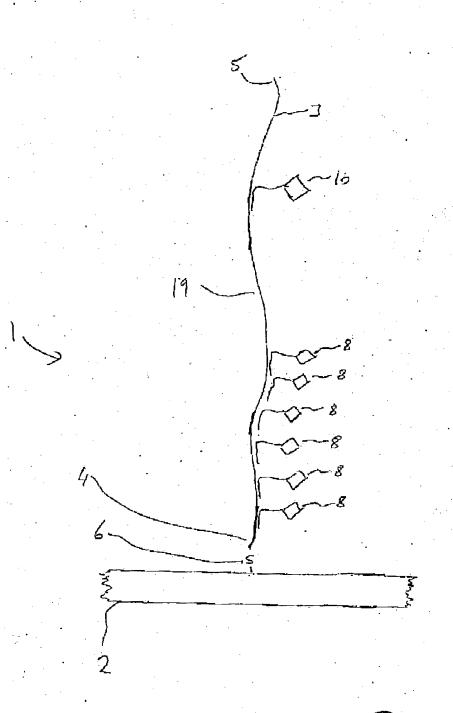
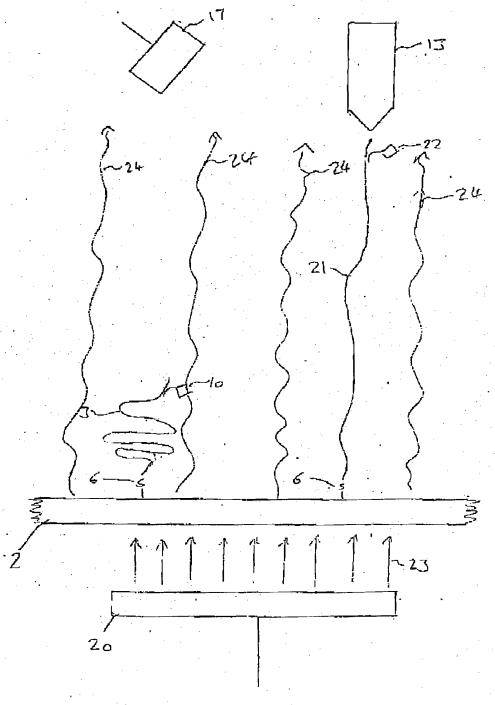
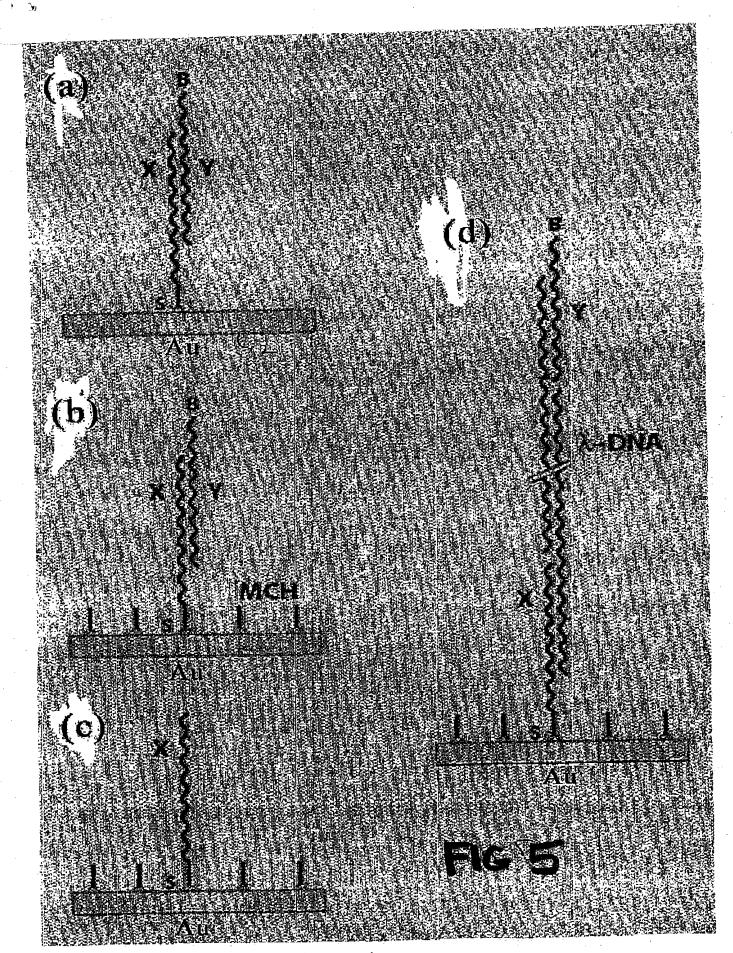
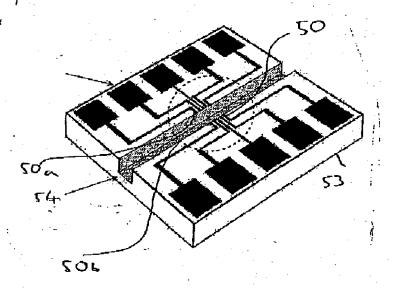


FIG. 3

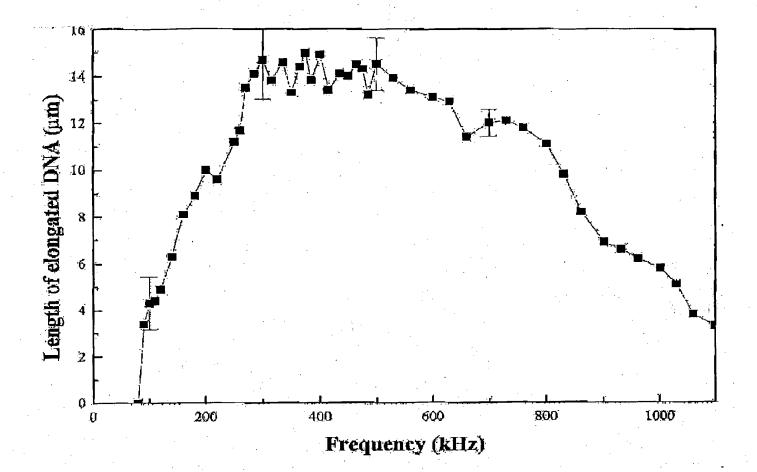


F16.4





F1G. 6



F1G. 7

____ 20 μm

F16.8

61 81 60 Mirror 5 W Ar laser APD 81 74 82 Iris diaphragm 530 nm LPF 488 nm BPF 80 64 10x and 20x objectives Fiber coupler Laser beam GR2 Mirror Si PD DNA coated 64 gold electrodes Wafer 65

- 43

F16.9